

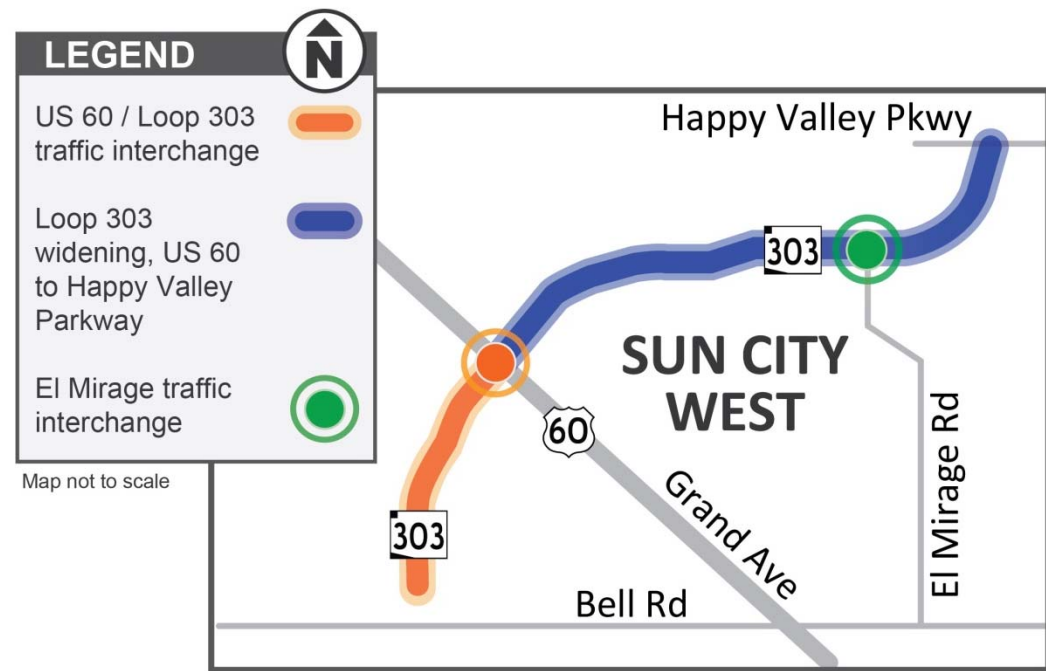
Loop 303

US 60 to Happy Valley Parkway

Arizona Department of Transportation
March 11, 2014

Agenda

- ▶ Introductions
- ▶ Background
- ▶ **Loop 303/US 60 traffic interchange**
- ▶ **Loop 303 widening**
- ▶ **El Mirage Road traffic interchange**
- ▶ Project features
- ▶ Timeline
- ▶ Q&A



14-024

Loop 303 improvement projects

Background

- **1984** – Maricopa Association of Governments (MAG) identifies a need for a West Valley regional connector freeway
- **1985** – Proposition 300 approved to fund the MAG Regional Transportation Plan (RTP)
- **2001** – First Environmental Assessment (EA) completed by Maricopa County, public meetings held
- **2004** – Voters approve Proposition 400 to extend the half-cent sales tax for 20 years
- **2006** – ADOT reassumed operation and maintenance of Loop 303 from MCDOT
- **2007** – EAs are done for Loop 303 from I-10 to I-17
- **2008** – ADOT published its draft EA for Loop 303 from I-10 to US 60 and held public hearings.
- **2009** – The federal government approved the EA and construction began between I-17 and Happy Valley Pkwy. and at Bell, Waddell and Cactus roads.
- **2011** – In March, construction of Bell, Waddell and Cactus roads complete, and then in May Loop 303 opened between I-17 and HVP. Construction began on Mountain View Blvd. to Peoria Ave. section in August and the traffic interchange at I-10 in December.
- **2012** – Construction begins on additional segments of Loop 303 between Thomas Road and Peoria Ave.
- **2014** – All Loop 303 segments between I-10 and Bell Road will be constructed, including the I-10/ Loop 303 interchange.

Loop 303/US 60 traffic interchange

Current conditions



Loop 303/US 60 traffic interchange

Design

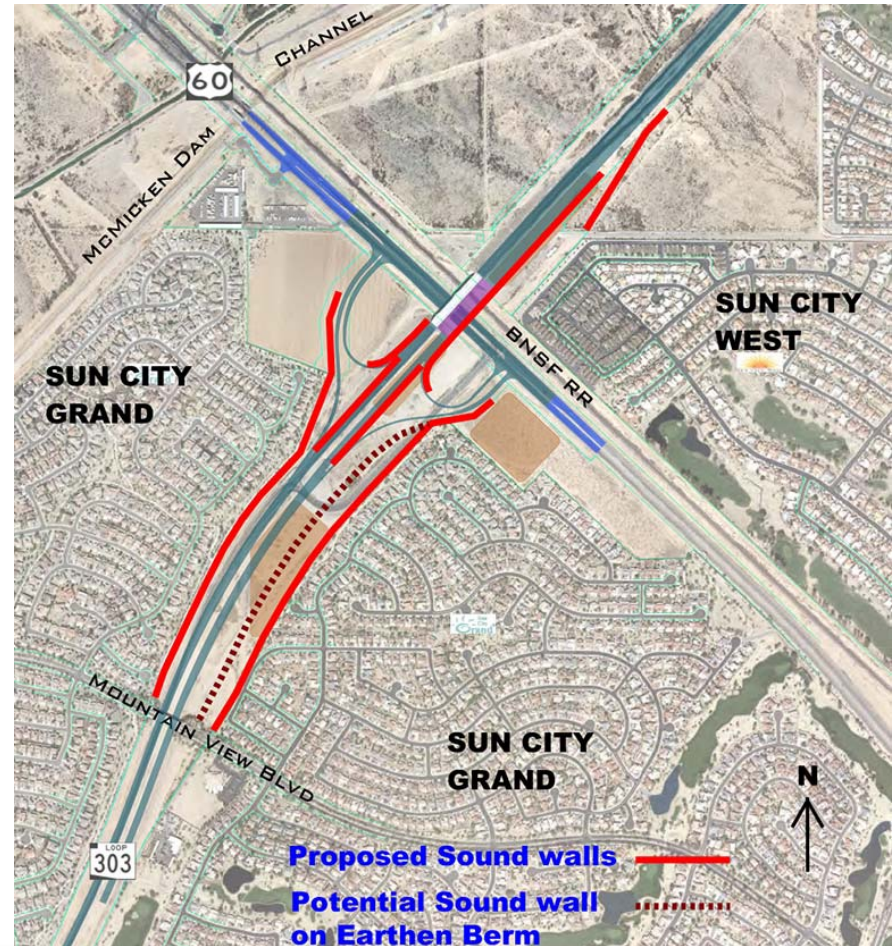
- ▶ **Partial cloverleaf**
 - \$48.4 million programmed
- ▶ **Reconstruction of existing interchange**
 - Ramps connecting US 60 and Loop 303
 - Widening Loop 303 over US 60 and railroad
- ▶ **New shielded lighting**
- ▶ **Noise mitigation**
- ▶ **Rubberized asphalt**
- ▶ **Traffic signals**



Loop 303/US 60 traffic interchange

Sound walls

- ▶ **Proposed walls**
 - Along Loop 303 southeast of US 60
 - Both sides of roadway
 - Along Loop 303 northwest of US 60
 - South side of freeway
- ▶ **Proposed earth berm**



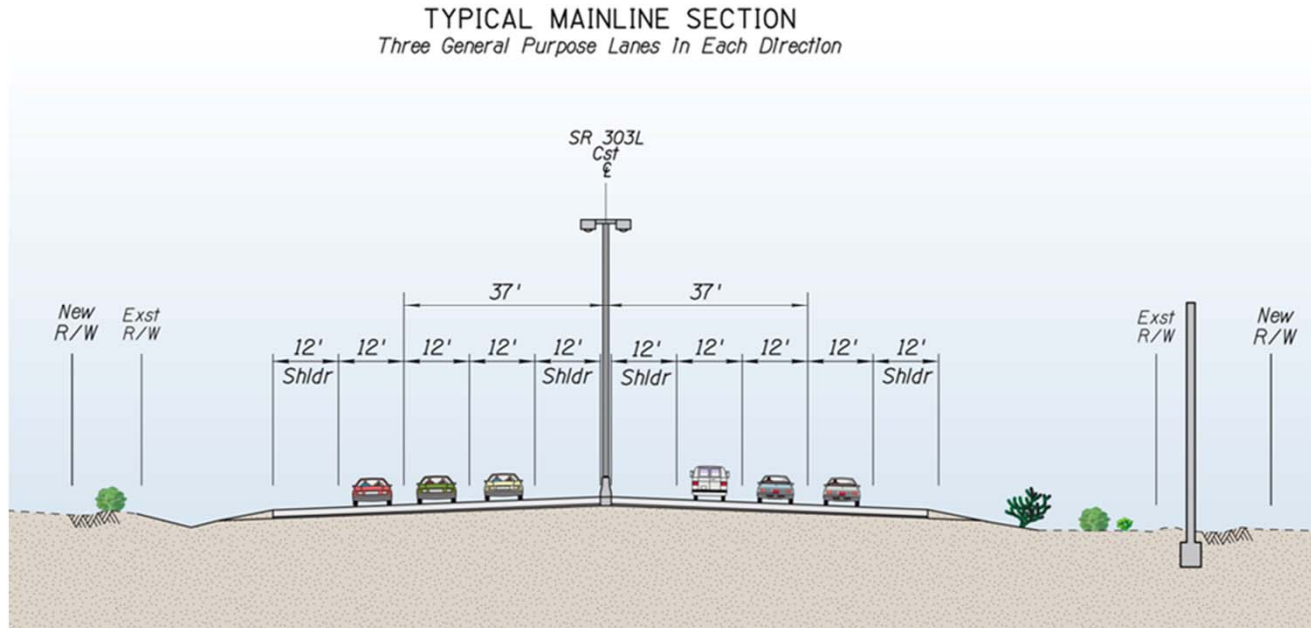
Loop 303 US 60 to Happy Valley Pkwy

Design

- ▶ **Roadway widening project**
 - From US 60 to Happy Valley Parkway**
 - \$52.1 million programmed**
- ▶ **Expands Loop 303 to three lanes in each direction**
- ▶ **Rubberized asphalt**
- ▶ **Sound walls along south side of freeway**
- ▶ **Native landscaping**

Loop 303 US 60 to Happy Valley Pkwy

Roadway Section – closed median

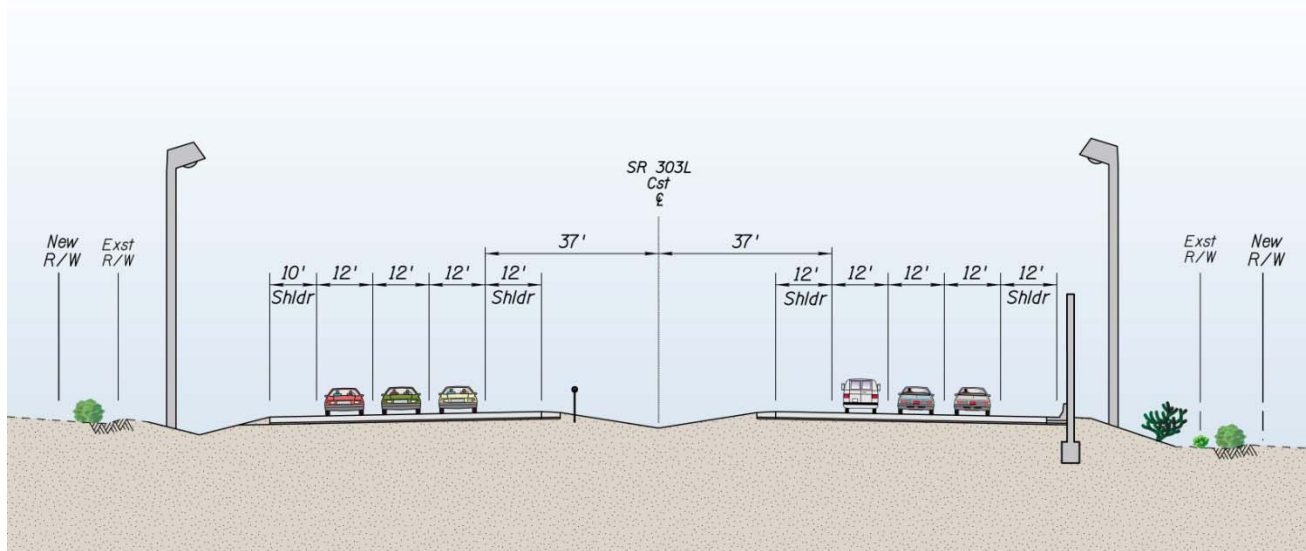


- ▶ Three travel lanes in each direction
 - ▶ Median barrier wall
- US 60 to El Mirage Road

Loop 303 US 60 to Happy Valley Pkwy

Roadway Section – open median

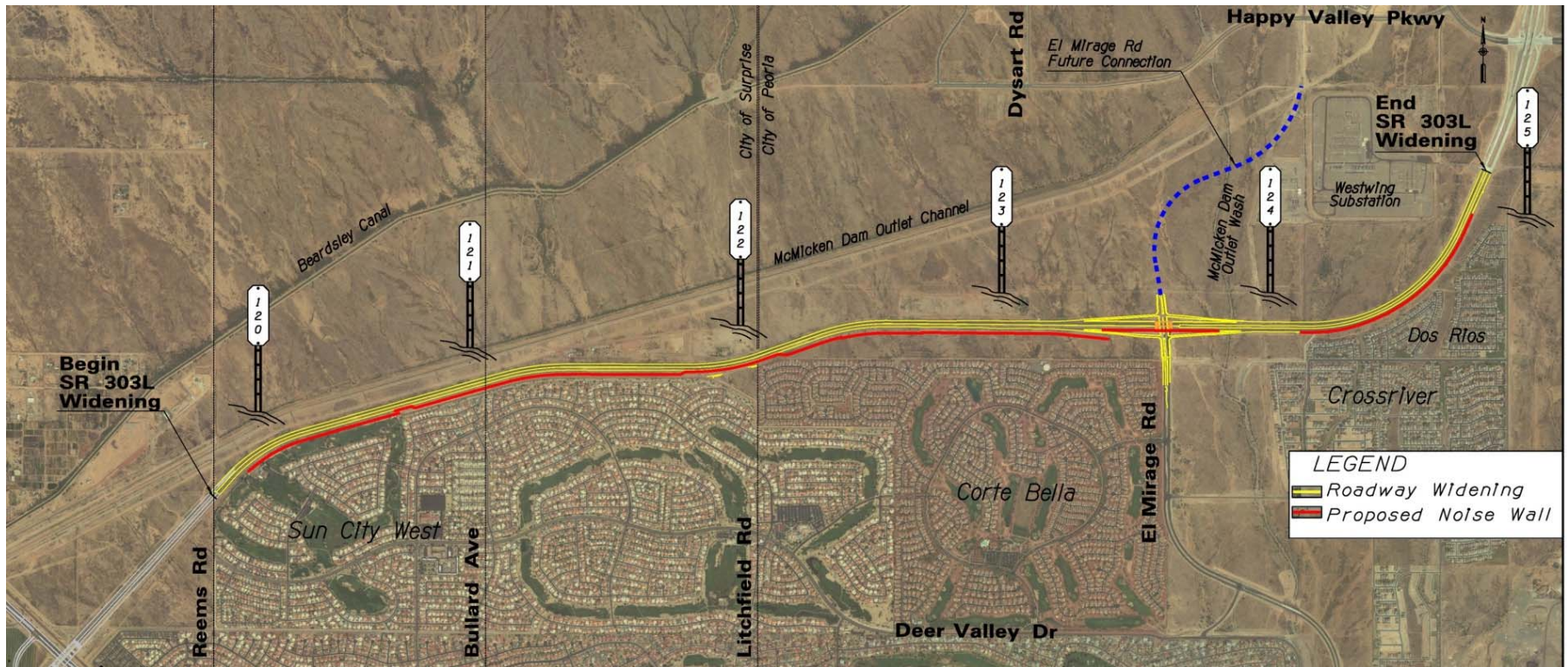
TYPICAL MAINLINE SECTION
Three General Purpose Lanes In Each Direction



- ▶ Three travel lanes in each direction
 - ▶ Open median and cable barrier
- El Mirage Road to Happy Valley Parkway

Loop 303 US 60 to Happy Valley Pkwy

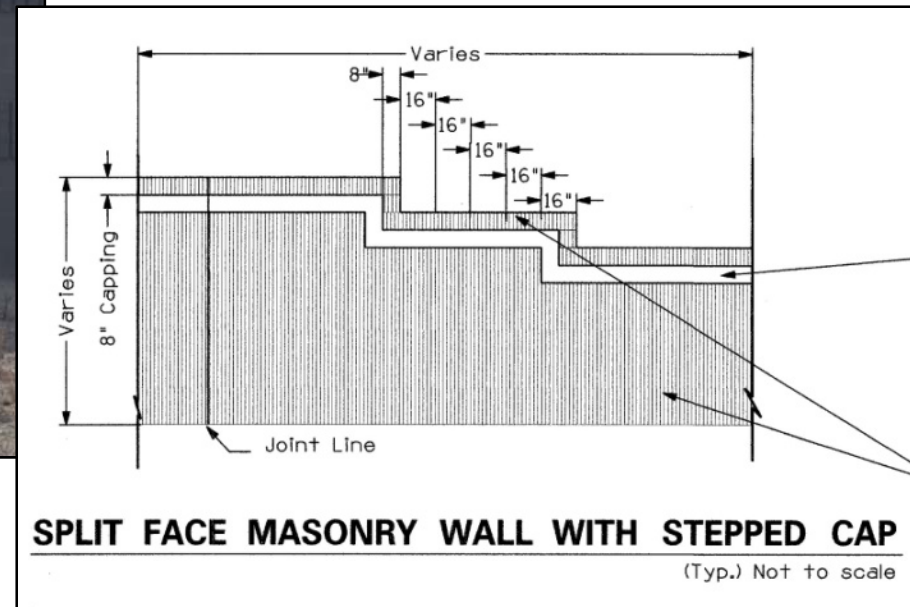
Sound walls



- ▶ Sound walls on south side of freeway
- ▶ 8' to 18' high

Loop 303 US 60 to Happy Valley Pkwy

Sound wall appearance



El Mirage Road/Loop 303

Current conditions

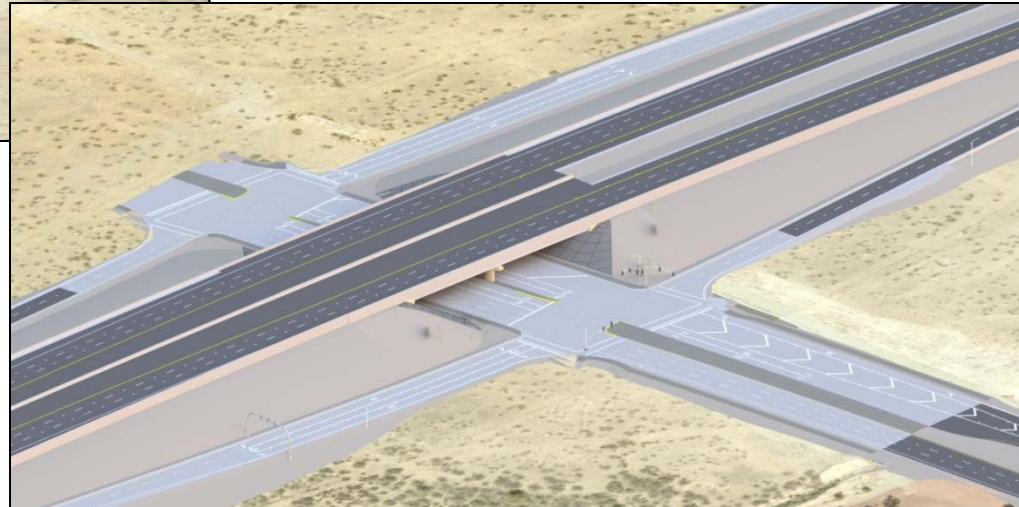
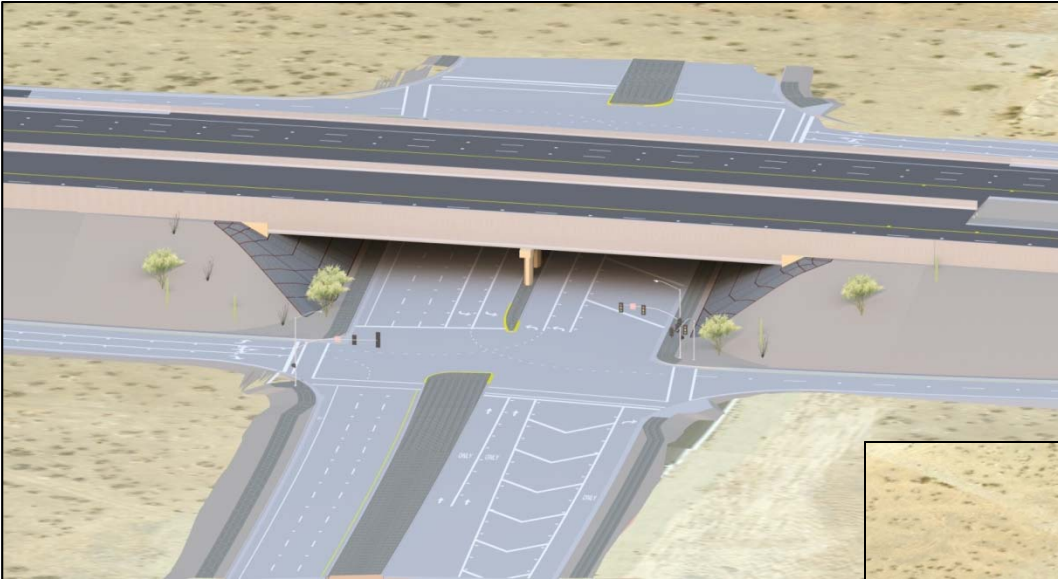


El Mirage Road/Loop 303

Design

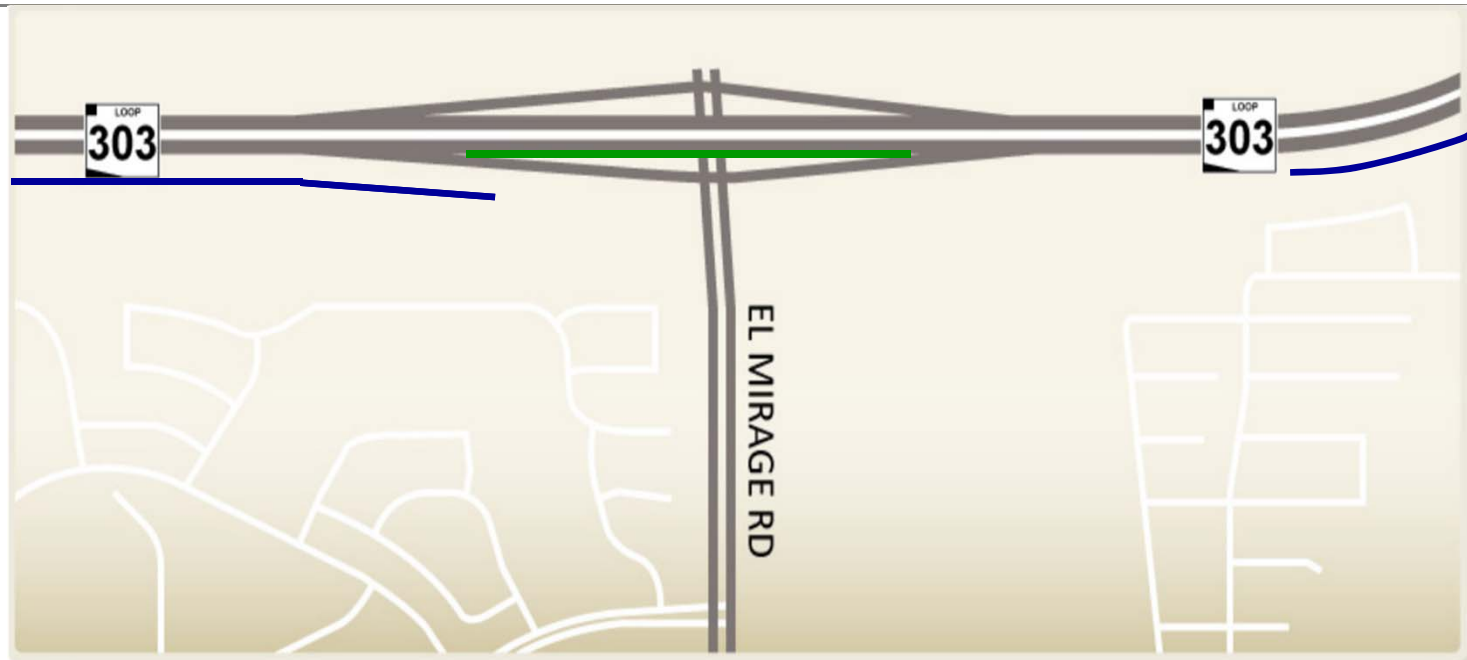
- ▶ **Full diamond interchange**
Loop 303 over El Mirage Road
\$31 million programmed
- ▶ **El Mirage Road**
Three through lanes, bikes lane, dual left turn lanes,
sidewalks on both sides
- ▶ **Ability for future expansion north of Loop 303**
- ▶ **Sound wall on bridge to mitigate noise**

El Mirage Road/Loop 303 Traffic Interchange



El Mirage Road and Loop 303

Sound mitigation

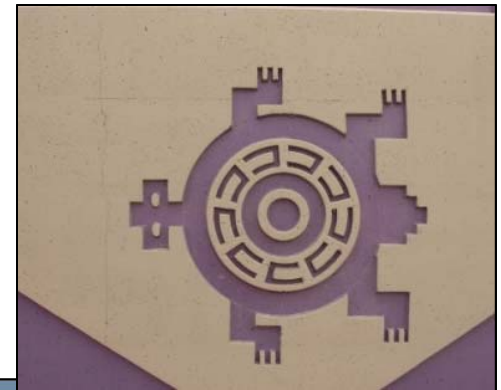


- ▶ Sound wall on El Mirage Road overpass
8' high
- ▶ Sound walls along south side of Loop 303
8' to 18' high

Loop 303 projects

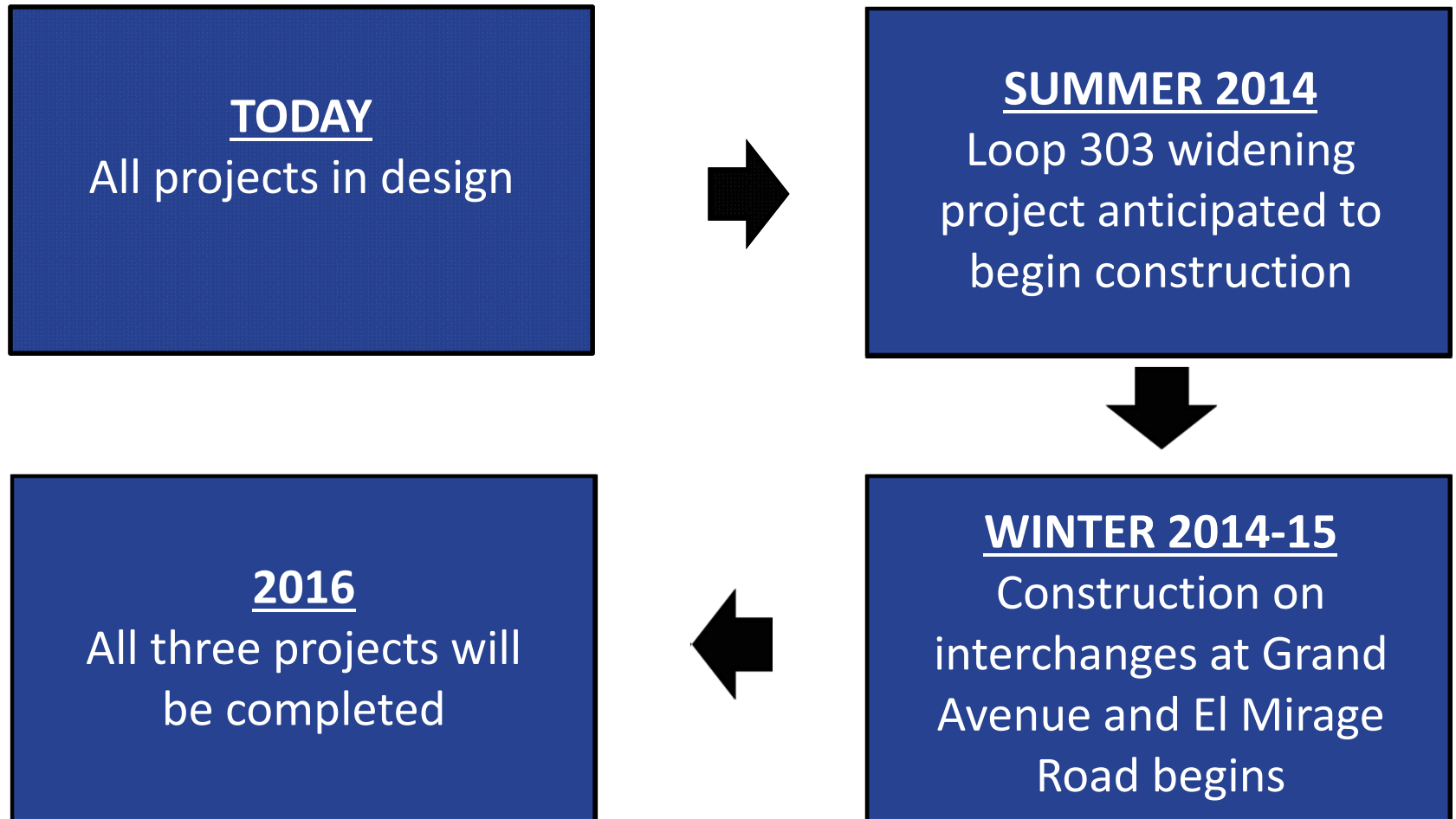
Other features

- ▶ **Freeway lighting**
 - Median and shoulder lighting along Loop 303
 - Lighting at traffic interchanges
- ▶ **Aesthetics**
- ▶ **Drainage improvements**



Loop 303 projects

Overall timeline



ADOT sound policy

Overview

- ▶ **ADOT mitigates noise at 64 decibels.**
Three decibels lower than the federal standard
- ▶ **An increase of 10 decibels sounds twice as loud to the average listener.**
- ▶ **Doubling highway traffic volume increases noise by 3 decibels.**
- ▶ **ADOT uses a variety of methods to reduce noise for residents.**
 - Sound walls
 - Earth berms
 - Rubberized asphalt

Stay updated!

- ▶ **Sign up for updates at azdot.gov**
- ▶ **Project website: azdot.gov/Loop303**
- ▶ **Email: Projects@azdot.gov**
- ▶ **Project hotline: 1.855.712.8530**

Question and Answer

- ▶ **Please use a microphone**
- ▶ **Members of the project team will remain after the meeting to answer questions and comments one-on-one**